

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Richland**

Site Summary Level: **Hanford Site**

Project **RL-TP04 / 300 Area/SNM Sub-Project**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0404**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

Purpose: The history of the 300 Area Fuel Supply Shutdown (FSS) complex began in 1943 when the 313 Building was constructed. Other buildings were added in time to support production of fuel for the Hanford Single Pass Reactor, which began in mid-1944. Starting in 1958, the 333 Building was constructed to support fuel fabrication for the N-Reactor. Fuel fabrication activities continued until 1987 when both N Reactor and the FSS facility began a transition-to-standby status. In 1992, the FSS complex was directed to deactivate in preparation for decontamination and decommissioning (D&D). The complex contains remaining legacies of the fuel fabrication and fuel storage mission and still includes approximately 1800 metric tons (MT) of unirradiated, low enriched fuel, which is stored in six buildings managed by FSS until relocation or final disposition. The original SNM inventory generated from fuel production operations also resulted in significant contamination of buildings and equipment, and large amounts of hazardous, mixed, and low level wastes. Due to the age of the buildings, they are showing signs of structural decay. Unsafe roof conditions in the 313 Building south side represent a large safety risk.

The FSS project's main objective is to complete deactivation/closure activities as described in the "Shutdown Plan for the 300 Area Fuel Supply Facilities," (WHC-SD-FL-SSP-002), and the facility transfer criteria while maintaining the complex in a safe, regulatory-compliant state until turnover to Environmental Restoration (ER) Project is completed. Deactivation of the Fuel Supply complex will decrease human and environmental risk by stabilizing the buildings to levels of contamination consistent with its intended long term surveillance and eventual demolition status. Sale and burial of the remaining inventory of Special Nuclear Materials (SNM) will reduce risk of any possible contamination to the site, nearby river, and City of Richland.

The project is subdivided into five major objectives:

1. Maintain facilities in a regulatory-compliant state until turnover to the ER Project is completed. This includes the surveillance and storage of the remaining 1800 MT of SNM until sale and burial of remaining material to the 200 Area has been completed.
2. Complete the isolation or demolition of the 313 South Building to reduce the safety risks of an unsafe roof.
3. Closure of two remaining Resource Conservation and Recovery Act (RCRA) permitted Treatment, Storage, and Disposal (TSD) systems.
4. Complete deactivation/stabilization activities as described in the "Shutdown Plan for the 300 Area Fuel Supply Facilities." This includes stabilization of all facility buildings and deactivation of building systems to meet the predetermined endpoint criteria established with ER.
5. Disposition of remaining low level enriched SNM. The removal of this material will allow final facility shutdown. Funding for this activity is included in PBS RL-TP12, Transition Project Management (\$1.2M).

This project will be followed by turnover to the ER Project for decontamination and decommissioning.

The planning assumptions for the 300 Area Fuel Supply shutdown are

- Resource Conservation and Recovery Act (RCRA) of 1976 implementation activities shall be carried out in accordance with the following RCRA closure plans:
- , - DOE/RL-90-04, 303K Storage Facility Closure Plan

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· - DOE/RL-90-11, The 300 Area Waste Acid Treatment System (WATS) Closure Plan

- These RCRA closures involve the north half of 303K Building as well as portions of facilities (333, 303F, 334A, and the 334 and 311 Storage Tanks). The closure plans describe the sampling, characterization, and investigative studies to be performed in these facilities; defines their hazard potential; and identifies required corrective actions. The 300 Area/SNM Sub-Project will perform closure activities for buildings and equipment under EM-60.

- The WATS Plan is listed in the Hanford Facility RCRA permit (Appendix 27) for inclusion in MOD C of the permit. A permit modification is being prepared by Ecology to move WATS Closure to MOD D of the permit.

- The 300 Area FSS facilities are located within 300 FF-2 operable unit, as designated in the Tri-Party Agreement (Ecology et al. 1996). The 300 FF-2 operable unit is scheduled to be remediated by the ERC under EM-40 using the CERCLA remediation investigation/feasibility study process. Therefore, any soil and groundwater contamination related to the RCRA activities will be deferred to the CERCLA remediation investigation/feasibility study process unless contamination is an imminent threat to human health or the environment. The 300 Area Facility 303M RCRA closure plan has not been prepared, but closure is deferred to the 300 FF-2 CERCLA Operable Unit (M-20-92-05).

- Current planning is to sell the current 300 FSS inventory of SNM to a commercial uranium processing company. Any inventory of SNM remaining after the sale will be declared waste and packaged for disposal.

Scope: Specific project scope from the Hanford Site technical baseline is provided below in terms of the systems that the project has responsibility for.

300 Area Fuel Supply System

· Maintain Safe & Compliant Materials in 300 Area Fuel Supply System: Materials stored in the 300 Area Fuel Supply System facilities will be maintained in safe and compliant state until disposition by sale to a commercial vendor or dispositioned as waste.

· Maintain Safe & Compliant 300 Area Fuel Supply System: This system includes 303F, 303K, 303M, 304, 313, 333, 334, 334A, 303A, 303B, 303E, 303G, 3707G, 3712, 334TF, 304A, 311TF, MO-052, and 3716 Facilities. These facilities have been used to prepare fuel for the early production reactors.

· Remove SNM from 300 Area Fuel Supply System: Remove the unsold nuclear materials from the 300 Area Fuel Supply System Facilities for burial.

· Transition 300 Area Fuel Supply System: Initiate the facility transition phase of decontamination and deactivation for the 300 Area Fuel Supply System Facilities.

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Technical Approach: The end point targets in the Hanford Strategic Plan addressed by this project include:

- Reuse facilities in the south 600 area for economic diversification where feasible.
- Transition high cost surplus facilities in the South 600 Area to a low cost, stable, deactivated condition.
- Complete transition of the 300 Area Fuels Supply to a low-cost stable deactivated condition.

The technical approach and technology initiatives for the Project to accomplish the Hanford Strategic Plan end point targets are identified below.

Project Status in FY 2006:

300 Area Fuel Supply System

- 300 Area/SNM Project as planned in the current baseline will be deactivated in FY 2001 and turned over to ERC for long-term Surveillance & Maintenance. In FY2006, it is assumed the facility will be in the EM-40 baseline and in long-term S&M pending decommissioning.

Post-2006 Project Scope:

300 Area Fuel Supply System

- 300 Area/SNM Project as planned in the current baseline will be deactivated in FY 2001 and turned over to the ERC for long-term Surveillance & Maintenance.

Project End State

The Hanford Strategic Plan end point targets achieved at completion of the project include:

Hanford Mission End Point Targets Achieved

- Complete transition of the 300 Area Fuels Supply to a low-cost stable deactivated condition.

Specific work activities to close the facilities under this Project to be performed by others at the end of this Project's mission are identified below.

300 Area Fuel Supply System

Work associated with facility performed by 300 Area Source Remedial Action:
Decontaminate and Decommission (D&D) 300 Area Fuel Supply System

Cost Baseline Comments:

The cost estimate for this project is based upon an Activity-Based Cost (ABC) estimate. The exceptions are the following items which are recent

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Project Description Narratives

changes or additions to FSS workscope:

- Workslope regarding relocating the remaining 1800 MT of SNM to outside the 300 Area has recently changed. Baseline planning is to sell the SNM to a commercial vendor and any remaining inventory will need to be packaged for low-level waste disposal. The cost estimate for this workslope is a Rough Order of Magnitude Estimate at this time and has not gone through a validation process.
- Roof Repairs was new workslope incorporated in the FY 98 MYWP, and is also a Rough Order of Magnitude estimate that has not been validated (\$1.2M).

Safety & Health Hazards:

Due to funding constraints in FY 1999 and FY 2000, the project activities are limited to maintaining the facility in a regulatory-compliant state and performing minimal RCRA closure activities. The project contains the Safety & Health functions necessary to maintain a safe, compliant and operable facility in compliance with the interim safety basis and surveillance and maintenance requirements. There are several hazards that exist until deactivation is completed. The primary hazard involves the large quantity of residual uranium and uranium fuel from N Reactor (~1800 MT SNM) which is currently stored in six buildings at the facility and the potential of fire involving this uranium. In the event of fire, a consequent release of airborne, respirable uranium could occur. The storage of SNM poses a radiological hazard to workers, public and environment alike. The second primary hazard involves the 313S Building roof which is deteriorating, presenting a hazard to personnel entering the building to perform compliance assessments. A similar roof failed at 100F area in 1992 with a loss of life. Other hazards is represented by the residual hazardous materials from past fuel fabrication activities. In addition, workers can expect to encounter normal occupational hazards, e.g. lifting, tripping, or falls, anywhere within the facility. These occupational hazards will continue and increase when deactivation activities are initiated and until the end of the project. Deactivation activities include: waste packaging and disposition, 313S Building Isolation, SNM disposition, and final preparation of all buildings for transfer to EM-40.

Safety & Health Work Performance:

The resources necessary to accomplish the work safely are identified by the Interim Safety Basis, the site Health and Safety Program requirements, and through the resources allocated to the site's integrated safety management system in the following functional categories: Emergency Preparedness, Industrial Safety, Industrial Hygiene, Management and Oversight, Nuclear Safety, Radiation Protection and Transportation Safety. Safety Health (S&H) resources are planned and allocated into these categories through the work breakdown structure and resource loaded into the project for each fiscal year. Stabilization and deactivation activities are scheduled in the baseline to resume in FY 2001. Until deactivation activities begin, there is little change in S&H resource requirements.

PBS Comments:

No comments at this time.

Baseline Validation Narrative:

An Activity Based Cost (ABC) estimate was prepared for the 300 Area/SNM Sub-project and an independent critical analysis was performed on the baseline (June 1996). An update of the estimate is not planned at this time due to the following: 1) minimal changes to project scope since the critical analysis; 2) baseline has been effectively controlled via change control; 3) the short life cycle of the project (FY 2001 completion); and 4) the small life cycle cost. Roof repairs were added during the FY99 MYWP development and are based on a rough order of magnitude estimate that has not been

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validated

General PBS Information

Project Validated? Yes Date Validated: 6/4/1996

Has Headquarters reviewed and approved project? Yes

Date Project was Added: 12/1/1997

Baseline Submission Date:

FEDPLAN Project? Yes

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
		Y				Y	Y	

Project Identification Information

DOE Project Manager: L. D. Romine

DOE Project Manager Phone Number: 509-376-4747

DOE Project Manager Fax Number: 509-376-0695

DOE Project Manager e-mail address: larry_d_romine@rl.gov

Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006
PBS Baseline (current year dollars)	26,437	0	26,437	4,216	4,198	4,530	4,475	4,444	3,657	9,590	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	25,963	0	25,963	4,216	4,198	4,530	4,475	4,444	3,582	9,191	0	0	0	0	0

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Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS EM Baseline (current year dollars)	25,232	0	25,232	3,600	3,585	3,941	3,893	4,444	3,657	9,590	0	0	0	0	0	
PBS EM Baseline (constant 1999 dollars)	24,758	0	24,758	3,600	3,585	3,941	3,893	4,444	3,582	9,191	0	0	0	0	0	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	0	0	0	0	0	0	0	0	0	0	0	0				
PBS Baseline (constant 1999 dollars)	0	0	0	0	0	0	0	0	0	0	0	0				
PBS EM Baseline (current year dollars)	0	0	0	0	0	0	0	0	0	0	0	0				
PBS EM Baseline (constant 1999 dollars)	0	0	0	0	0	0	0	0	0	0	0	0				

Non-EM Costs included in the Cost Baseline

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Non-EM Category: Other													
Defense Programs	15	13											
	2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
Non-EM Category: Other													
Defense Programs													

Baseline Escalation Rates

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1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%	0.00%	2.10%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%			

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project: 9/29/2000

Current Projected End Date of Project: 9/28/2001

Explanation of Project Completion Date Difference (if applicable):

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	20,181	Actual 1997 Cost:	3,585	Actual 1998 Cost:	3,893
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	12,703	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):			343
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	13,046				

Project Cost Changes

Cost Adjustments Reconciliation Narratives

Cost Change Due to Scope Deletions (-):

Cost Reductions Due to Efficiencies (-):

Cost Associated with New Scope (+):

Cost Growth Associated with Scope Previously Reported (+):

Cost Reductions Due to Science & Technology Efficiencies (-):

Subtotal: 13,046

Additional Amount to Reconcile (+): 4,171

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Project Reconciliation

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): **17,217**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
BURY BALANCE OF SNM	TRP-98-302	9/28/2001	9/28/2001								
COMPLETE 300 AREA FUEL SUPPLY DEACTIVATION	TRP-02-301	9/28/2001	9/28/2001								
PREPARE FUEL SUPPLY SURVEILLANCE AND MAINTENANCE PLAN	TRP-98-301	3/30/2001	3/30/2001								
PHASE III BUILDINGS PREPARED FOR TRANSFER TO EM-40	TRP-98-304	9/28/2001	9/28/2001								
SUBMIT FINAL REPORT ON WATS CLOSURE ACTIVITIES TO RL	TRP-99-301	3/31/2000	3/31/2000								
PHASE II BUILDINGS PREPARED FOR TRANSFER TO EM-40	TRP-01-301	9/28/2001	9/28/2001							Y	
COMPLETE WASTE ACID TREATMENT SYSTEM RCRA CLOSURE FIELD ACTYS	TRP-01-302	9/30/1999	9/30/1999								
COMPLETE ISOLATION OF 313 BUILDING SOUTH SIDE	TRP-97-301	9/28/2001	9/28/2001								
Begin 300 Area/SNM Project	PBS-97-019		2/28/1997								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
BURY BALANCE OF SNM	TRP-98-302					Y					Package and bury remaining SNM.
COMPLETE 300 AREA FUEL SUPPLY DEACTIVATION	TRP-02-301				Y	Y					Completion of activities described in the 'Shutdown Plan for the 300 Area Fuel Supply Facilities' for shutdown of the complex.

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Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
PREPARE FUEL SUPPLY SURVEILLANCE AND MAINTENANCE PLAN	TRP-98-301										Prepare a supporting document which establishes the surveillance and maintenance (S&M) activities after deactivation of the Fuel Supply Shutdown complex.
PHASE III BUILDINGS PREPARED FOR TRANSFER TO EM-40	TRP-98-304				Y	Y					Prepare per agreed upon criteria the following buildings for transfer to EM-40: 3712, 3716, 303A, 303B, 303G, 303K/3707G, 313N, 333, 334A, Fuel Supply Shutdown Trenches, and MO-52.
SUBMIT FINAL REPORT ON WATS CLOSURE ACTIVITIES TO RL	TRP-99-301				Y	Y					Resolve Ecology comments after their review of WATS final report and revise report, if needed. Send Ecology a copy of the Part 'A' permit stamped 'CLOSED' after Ecology agrees that clean closure has been achieved, or transfer Ecology-issued, modified ope
PHASE II BUILDINGS PREPARED FOR TRANSFER TO EM-40	TRP-01-301				Y	Y					Prepare the following buildings in accordance with the shutdown criteria for transfer to EM-40: 313S, 303E, 303F, 334, and 334 Tank Farm. Note: Activities for the 334 Tank Farm do not include RCRA clean closure activities, which will be completed at a
COMPLETE WASTE ACID TREATMENT SYSTEM RCRA CLOSURE FIELD ACTYS	TRP-01-302										Complete the activties for 334 and 311 Tank Farms and piping trench portions of WATS required to attain closure, as stated in Revised Closure Plan.
COMPLETE ISOLATION OF 313	TRP-97-301				Y	Y					Isolation of 313 South Building

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Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
BUILDING SOUTH SIDE											access, removal of 313 South Building utilities, removal of 313 South Building roof loadings (i.e. HVAC units, etc.), completion of NEPA, historical studies, and sampling/ characterization activities, and removal of unattac
Begin 300 Area/SNM Project	PBS-97-019			Y							Administrative input to document the start of this PBS.

Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
Fac.														
Deact. During Per.	NF	14.00	0.00	14.00	1.00						14.00			
NM														
MDR Onsite - Ur Other	Kg/B	1,862,000.00	0.00	1,862,000.00						1,862,000.00				
Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	
Fac.														
Deact. During Per.	NF													
NM														
MDR Onsite - Ur Other	Kg/B													

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Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total
Fac.										
Deact. During Per.	NF								1.00	16.00
NM										
MDR Onsite - Ur Other	Kg/B									1,862,000.00

Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
HASI	7354	R	216-Z-13, 234-5 Dry Well #1, 216-Z-13 Dry Well	/										
HASI	7355	R	216-Z-14, 234-5 Dry Well #2, 216-Z-14 Dry Well	/										
HASI	7356	R	216-Z-15, 234-5 Dry Well #3, 216-Z-15 Dry Well	/										
HASI	7357	R	216-Z-9, 216-Z-9 Cavern, 234-5 Recuplex Cavern, 216-Z-10, 216-Z-9 Crib, 216-Z-9 Trench	/										
HASI	7358	R	234-5Z HWSA, 234-5Z Hazardous Waste Storage Area	/										
HASI	7359	R	241-Z-361, 241-Z-361 Settling Tank	/										
HASI	7360	R	2607-WA	/										
HASI	7361	R	2607-Z	/										
HASI	7362	R	2607-Z8	/										
HASI	7363	R	300 SE, 300 Area Solvent Evaporator, Solvent Evaporator, 300 ASE	/										
HASI	7364	R	303-K CWS, 303-K Contaminated Waste Storage	/										

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HASI	7365	R	303-M SA, 303-M Storage Area, 303-M Building Storage Area	/										
HASI	7366	R	303-M UOF, 303-M Uranium Oxide Facility	/										
HASI	7367	R	304 CF, 304 Concretion Facility	/										
HASI	7368	R	304 SA, 304 Storage Area, 304 Building Storage Area	/										
HASI	7369	R	309-TW-1, 309-TW Tank #1, 309 Holdup Tanks	/										
HASI	7370	R	309-TW-2, 309-TW Tank #2, 309 Holdup Tanks	/										
HASI	7371	R	309-TW-3, 309-TW Tank #3, 309 Holdup Tank	/										
HASI	7372	R	311 MT1, 311 Methanol Tank 1, 311 Tank Farm Underground Methanol Tank #1, 311-1	/										
HASI	7373	R	311 MT2, 311 Methanol Tank 2, 311 Tank Farm Underground Methanol Tank #2, 311-2	/										
HASI	7374	R	311-TK-40, 311 Neutralized Waste Tank 1	/										
HASI	7375	R	311-TK-50, 311 Neutralized Waste Tank 2, 311 Neutralization Tank #2	/										
HASI	7376	R	313-TK-2, 313 Waste Acid Neutralization Tank, 300 Area Waste Acid Treatment System	/										
HASI	7377	R	333 WSTF, 333 West Side Tank Farm, 333 West Side Waste Oil Tank, 333 West Side Uranium Bearing Acid Tanks, 333 WSWOT	/										
HASI	7378	R	333-TK-11, 333 West Side Storage Tank for Uranium Bearing Acid, 333 Chromium Treatment Tank 2	/										

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HASI	7379	R	333-TK-7, 333 West Side Storage Tank for Uranium Bearing Acid, 333 Chromium Treatment Tank 1	/										
HASI	7380	R	334-A-TK-B, 334-A Waste Acid Storage Tank 1	/										
HASI	7381	R	334-A-TK-C, 334-A Waste Acid Storage Tank 2	/										
HASI	7382	R	335 & 336 RSDF, 335 & 336 Retired Sanitary Drain Field	/										
HASI	7383	R	3718-F BS, 3718-F Burn Shed	/										
HASI	7384	R	3718-F SF, 3718-F Storage Facility, 3718-F Alkali Metal Treatment Facility	/										
HASI	7385	R	3718-F TT1, 3718-F Treatment Tank 1	/										
HASI	7386	R	3718-F TT2, 3718-F Treatment Tank 2	/										
HASI	7387	R	618-1, Solid Waste Burial Ground No. 1, 318-1	/										
HASI	7388	R	UPR-200-W-159, Caustic Spill at Plutonium Finishing Plant, UN-200-W-159	/										
HASI	7389	R	UPR-200-W-89, Radioactive Contamination Southwest of 236-Z Building, UN-216-W-89, UN-200-W-89	/										
HASI	7390	R	UPR-200-W-90, Radioactive Contamination South of 236-Z Building, UN-216-N-90, UN-200-W-90	/										
HASI	7391	R	UPR-200-W-91, Radioactive Contamination near 234-5Z Building, UN-216-W-91, UN-200-W-91	/										
HASI	7392	R	UPR-300-13, UN-300-13, Acid	/										

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			Neutralization Tank Leak East of 333 Building											
HASI	7393	R	UPR-300-14, UN-300-14, Acid Leak at 334 Tank Farm	/										
HASI	7394	R	UPR-300-17, UN-300-17	/										
HASI	7395	R	UPR-300-18, UN-300-18	/										
HASI	7396	R	UPR-300-31, UN-300-31	/										
HASI	7397	R	UPR-300-38, Soil Contamination Beneath the 313 Building	/										
HASI	7398	R	UPR-300-39, UN-300-39	/										
HASI	7399	R	UPR-300-4, UN-300-4	/										
HASI	7400	R	UPR-300-40, Acid Release at the 303-F Pipe Trench, UN-300-40, UPR-300-31, UN-300-31	/										
HASI	7401	R	UPR-300-44, 313 Building, Uranium Bearing Waste Etch-Acid Spill, UN-300-44	/										
HASI	7402	R	UPR-300-45, 303-F Building Uranium-Bearing Acid Spill, UN-300-45	/										
HASI	7403	R	UPR-300-46, Contamination North of 333 Building	/										
HASI	7404	R	UPR-300-5, UN-300-5, Spill at 309 Storage Basin	/										
HASI	7405	R	309-WS-1, 309 Plutonium Recycle Test Reactor Ion Exchanger Vault, Reactor Ion Exchange Pit, PRTR Ion Exchange Vault	/										
HASI	7406	R	309-WS-2, Rupture Loop Ion Exchange Pit, Ion Exchange Vault, Rupture Loop Annex Ion Exchange Loop Vault, RLAIX	/										

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HASI	7407	R	300-2, Contaminated Light Water Disposal	/										
HASI	7408	R	309-WS-3, 309 Brine Tank	/										
HASI	7409	R	300-16, Solid Waste Near 314 Building, Utility Pole Replacements	/										
HASI	7410	R	300-27, Soil Contamination at 329 Biophysics Laboratory	/										
HASI	7411	R	300-25, 324 Building	/										
HASI	7412	R	300-32, 333 Building, 333 N Fuels Manufacturing Building, New Fuel Cladding Facility	/										
HASI	7413	R	300-42, 306E Fabrication and Testing Laboratory	/										
HASI	7414	R	300-28, Solid Waste Site Near 303-G Building	/										
HASI	7415	R	300-41, 306E Neutralization Tank, Underground Lime Tank and Valve Pit	/										
HASI	7416	R	300-21, 333 Building Underground Limestone Tank	/										
HASI	7417	R	300-22, 309 Building B-Cell Cleanout Leak	/										
HASI	7418	R	300-23, PRTR Diesel Storage Tank, 309-1 UST	/										
HASI	7419	R	300-35, 3706A Fuel Storage Tank	/										
HASI	7420	R	300-39, 309 Building Ex-vessel Irradiated Fuel Storage Basin, 309 Building Irradiated Fuel Storage Basin, 309 Fuel Storage Basin	/										
HASI	7421	R	300-43, Unplanned Release Outside the 304 Building	/										

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HASI	7422	R	300-46, Soil Contamination Surrounding 3706 Building	/										
HASI	7423	R	300-47, Residual Hazardous Substances Northwest of 3708 Building	/										
HASI	7424	R	300-48, Thorium Oxide and Fuel Fabrication Chemical Wastes Around 3732 Building	/										
HASI	7425	R	300-53, Unplanned Release East Side of 303-G	/										
HASI	7426	R	300-55, 309 Rupture Loop Holding Tank, Rupture Loop Hold-up Tank, RLT-2, 307-D	/										
HASI	7427	R	300-57, 335 Building 90-Day Waste Accumulation Area	/										
HASI	7428	R	300-60, 303A Building Steam Condensate, Miscellaneous Stream #339, F.D. #26	/										
HASI	7429	R	300-61, 303B Building Steam Condensate, Miscellaneous Stream #444, Injection Well #12	/										
HASI	7430	R	300-64, 303F Building Steam Condensate, Miscellaneous Stream #352	/										
HASI	7431	R	300-72, 308 Building Stormwater Runoff, Miscellaneous Stream #404	/										
HASI	7432	R	300-73, 308 Building Stormwater Runoff, Miscellaneous Stream #405	/										
HASI	7433	R	300-74, 308 Building Stormwater Runoff, Miscellaneous Stream #406	/										
HASI	7434	R	300-75, 309 Building Stormwater Runoff and Chiller Water, Miscellaneous Stream #445, Injection Well #20	/										

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HASI	7435	R	300-77, 309 Building Stormwater Runoff, Miscellaneous Stream #450	/										
HASI	7436	R	300-78, 300 Area Main Header Steam Trap (Southwest Corner of 313 Building), Miscellaneous Stream #331	/										
HASI	7437	R	300-79, 313 Building Stormwater Runoff, Miscellaneous Stream #457	/										
HASI	7438	R	300-81, 321 Building Steam Condensate, Miscellaneous Stream #370	/										
HASI	7439	R	300-82, 321 Building Steam Condensate, Miscellaneous Stream #371	/										
HASI	7440	R	300-83, 321 Building Steam Condensate, Miscellaneous Stream #372	/										
HASI	7441	R	300-84, 321 Building Vent Valve on Water Line, Miscellaneous Stream #348	/										
HASI	7442	R	300-87, 309 Building Stormwater Runoff, Miscellaneous Stream #679	/										
HASI	7443	R	300-92, 321 Building Stormwater Runoff, Miscellaneous Stream #680	/										
HASI	7444	R	300-93, 324 Building Stormwater Runoff, Miscellaneous Stream #354	/										
HASI	7445	R	300-94, 324 Building Stormwater Runoff, Miscellaneous Stream #711, 300-234	/										
HASI	7446	R	300-95, 324/336 Buildings Stormwater Runoff and Steam Condensate; Miscellaneous Stream #425	/										
HASI	7447	R	300-109, 333 Building Stormwater Runoff, Miscellaneous Stream #455	/										

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HASI	7448	R	300-110, 333 Building Stormwater Runoff, Miscellaneous Stream #456	/										
HASI	7449	R	300-131, 3706 Fire Sprinkler System Water, Miscellaneous Stream #515	/										
HASI	7450	R	300-132, 3706 Building Steam Condensate, Miscellaneous Stream #368	/										
HASI	7451	R	300-133, 3706 Building Steam Condensate, Miscellaneous Stream #367, Injection Well #27	/										
HASI	7452	R	300-134, 3706 Building Steam Condensate, Miscellaneous Stream #362	/										
HASI	7453	R	300-135, 3706 Building Steam Condensate, Miscellaneous Stream #365	/										
HASI	7454	R	300-136, 3706 Building Steam Condensate, Miscellaneous Stream #366	/										
HASI	7455	R	300-137, 3706 Building Steam Condensate, Miscellaneous Stream #440	/										
HASI	7456	R	300-138, 3706 Building Steam Condensate, Miscellaneous Stream #360	/										
HASI	7457	R	300-139, 3706 Building Steam Condensate, Miscellaneous Stream #357	/										
HASI	7458	R	300-140, 3706 Building Steam Condensate, Miscellaneous Stream #356	/										
HASI	7459	R	300-141, 3706 Building Steam Condensate, Miscellaneous Stream #439, Injection Well #29	/										
HASI	7460	R	300-142, 3706 Building Steam Condensate, Miscellaneous Stream #369, Injection Well #30	/										

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HASI	7461	R	300-143, 3706 Building Steam Condensate, Miscellaneous Stream #361	/										
HASI	7462	R	300-144, 3706 Building Steam Condensate, Miscellaneous Stream #358	/										
HASI	7463	R	300-145, 3706 Building Steam Condensate, Miscellaneous Stream #438, Injection Well #25	/										
HASI	7464	R	300-146, 3706 Building Stormwater Runoff, Miscellaneous Stream #364	/										
HASI	7465	R	300-147, 3706 Building Stormwater Runoff, Miscellaneous Stream #363	/										
HASI	7466	R	300-148, 3706 Building Stormwater Runoff, Miscellaneous Stream #359, Injection Well #22	/										
HASI	7467	R	300-149, 3706A Building Steam Condensate, Miscellaneous Stream #432, Injection Well #28	/										
HASI	7468	R	300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351	/										
HASI	7469	R	300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437	/										
HASI	7470	R	300-219, 300 Area Waste Acid Transfer Line	/										
HASI	7471	R	300-224, WATS and U-Bearing Piping Trench	/										
HASI	7472	R	300-251, Unplanned Release Outside the 303-K Building	/										

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